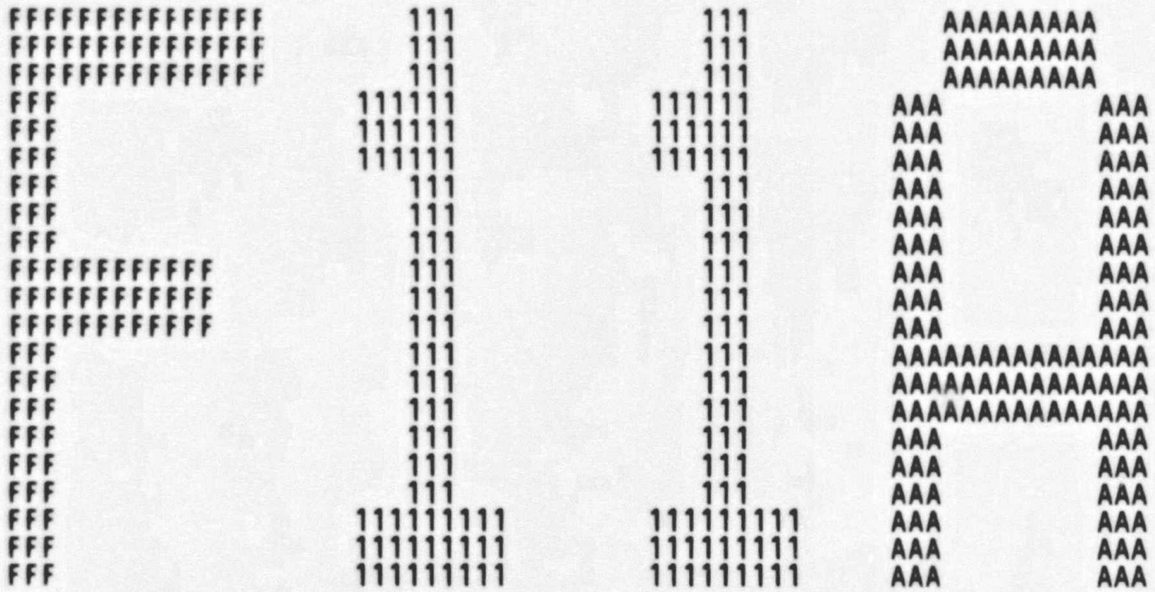
FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF
FFF
FFF
FFF
FFF
FFF
FFF
FFFFFFFFFFFF
FFFFFFFFFFFF
FFFFFFFFFFFF
FFF
FFF
FFF
FFF
FFF
FFF
FFF
FFF
111
111
111
111111
111111
111111
111
111
111
111
111
111
111
111
111
111
111
111111111
111111111
111111111
111
111
111
111111
111111
111111
111
111
111
111
111
111
111
111
111
111
111
111111111
111111111
111111111
AAAAAAAAA
AAAAAAAAA
AAAAAAAAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAAAAAAAAAAAAAA
AAAAAAAAAAAAAAA
AAAAAAAAAAAAAAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA
AAA AAA

FILEID**DEACCS

```
DDDDDDDD    EEEEEEEEEE    AAAAAA      CCCCCCCC    CCCCCCCC    SSSSSSSS
DDDDDDDD    EEEEEEEEEE    AAAAAA      CCCCCCCC    CCCCCCCC    SSSSSSSS
DD      DD  EE           AA    AA   CC          CC          SS
DD      DD  EE           AA    AA   CC          CC          SS
DD      DD  EE           AA    AA   CC          CC          SS
DD      DD  EE           AA    AA   CC          CC          SS
DD      DD  EEEEEEEE     AA    AA   CC          CC            SSSSSS
DD      DD  EEEEEEEE     AA    AA   CC          CC            SSSSSS
DD      DD  EE           AAAAAAAAAA   CC          CC                  SS
DD      DD  EE           AAAAAAAAAA   CC          CC                  SS
DD      DD  EE           AA    AA   CC          CC                  SS      ....
DD      DD  EE           AA    AA   CC          CC                  SS      ....
DDDDDDDD    EEEEEEEEEE   AA    AA     CCCCCCCC    CCCCCCCC  SSSSSSSS        ....
DDDDDDDD    EEEEEEEEEE   AA    AA     CCCCCCCC    CCCCCCCC  SSSSSSSS        ....

LL             IIIIII      SSSSSSSS
LL             IIIIII      SSSSSSSS
LL               II      SS
LL               II      SS
LL               II      SS
LL               II      SS
LL               II        SSSSSS
LL               II        SSSSSS
LL               II              SS
LL               II              SS
LL               II              SS
LL               II              SS
LLLLLLLLLL     IIIIII    SSSSSSSS
LLLLLLLLLL     IIIIII    SSSSSSSS
```

```
;     1          0001  0 MODULE DEACCS (
;     2          0002  0                 LANGUAGE (BLISS32),
;     3          0003  0                 IDENT = 'V04-000'
;     4          0004  0                 ) =
;     5          0005  1 BEGIN
;     6          0006  1
;     7          0007  1 !
;     8          0008  1 !**************************************************************************
;     9          0009  1 !*                                                                        *
;    10          0010  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
;    11          0011  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                 *
;    12          0012  1 !*  ALL RIGHTS RESERVED.                                                   *
;    13          0013  1 !*                                                                        *
;    14          0014  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
;    15          0015  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
;    16          0016  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
;    17          0017  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
;    18          0018  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
;    19          0019  1 !*  TRANSFERRED.                                                           *
;    20          0020  1 !*                                                                        *
;    21          0021  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
;    22          0022  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
;    23          0023  1 !*  CORPORATION.                                                           *
;    24          0024  1 !*                                                                        *
;    25          0025  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
;    26          0026  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
;    27          0027  1 !*                                                                        *
;    28          0028  1 !*                                                                        *
;    29          0029  1 !**************************************************************************
;    30          0030  1
;    31          0031  1 !++
;    32          0032  1 !
;    33          0033  1 ! FACILITY:  F11ACP Structure Level 1
;    34          0034  1 !
;    35          0035  1 ! ABSTRACT:
;    36          0036  1 !
;    37          0037  1 !       This routine implements the DEACCESS function.
;    38          0038  1 !
;    39          0039  1 ! ENVIRONMENT:
;    40          0040  1 !
;    41          0041  1 !       STARLET operating system, including privileged system services
;    42          0042  1 !       and internal exec routines.
;    43          0043  1 !
;    44          0044  1 !--
;    45          0045  1 !
;    46          0046  1 !
;    47          0047  1 ! AUTHOR:  Andrew C. Goldstein,  CREATION DATE:  6-Jan-1977  23:29
;    48          0048  1 !
;    49          0049  1 ! MODIFIED BY:
;    50          0050  1 !
;    51          0051  1 !       V03-002 LMP0154         L. Mark Pilant,         14-Sep-1983  11:06
;    52          0052  1 !               Elimitate the write header protection check as it is
;    53          0053  1 !               either not done (for a create) or done elsewhere (for
;    54          0054  1 !               modify).
;    55          0055  1 !
;    56          0056  1 !       V03-001 ACG0343         Andrew C. Goldstein,    19-Jul-1983  16:53
;    57          0057  1 !               Inhibit revision count if NORECORD is specified
```

```
;    58          0058  1 !
;    59          0059  1 !       V02-002 ACG0247         Andrew C. Goldstein,    23-Dec-1981  0:58
;    60          0060  1 !               Update file revision count only if written
;    61          0061  1 !
;    62          0062  1 !       V02-001 ACG0245         Andrew C. Goldstein,    18-Dec-1981  18:27
;    63          0063  1 !               Moving queueing of spool file to cleanup
;    64          0064  1 !
;    65          0065  1 !       V02-000 ACG0167         Andrew C. Goldstein,    7-May-1980  18:48
;    66          0066  1 !               Previous revision history moved to F11A.REV
;    67          0067  1 !**
;    68          0068  1
;    69          0069  1
;    70          0070  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
;    71          0071  1 REQUIRE 'SRC$:FCPDEF.B32';
```

```
;    73          0386  1 GLOBAL ROUTINE DEACCESS  =
;    74          0387  1
;    75          0388  1 !++
;    76          0389  1 !
;    77          0390  1 ! FUNCTIONAL DESCRIPTION:
;    78          0391  1 !
;    79          0392  1 !       This routine implements the DEACCESS function.
;    80          0393  1 !       If an attribute list is present, attributes are written.
;    81          0394  1 !
;    82          0395  1 ! CALLING SEQUENCE:
;    83          0396  1 !       DEACCESS ()
;    84          0397  1 !
;    85          0398  1 ! INPUT PARAMETERS:
;    86          0399  1 !       NONE
;    87          0400  1 !
;    88          0401  1 ! IMPLICIT INPUTS:
;    89          0402  1 !       IO_PACKET: I/O packet in process
;    90          0403  1 !       CURRENT_WINDOW: window of file
;    91          0404  1 !       PRIMARY_FCB: FCB of file
;    92          0405  1 !
;    93          0406  1 ! OUTPUT PARAMETERS:
;    94          0407  1 !       NONE
;    95          0408  1 !
;    96          0409  1 ! IMPLICIT OUTPUTS:
;    97          0410  1 !       NONE
;    98          0411  1 !
;    99          0412  1 ! ROUTINE VALUE:
;   100          0413  1 !       NONE
;   101          0414  1 !
;   102          0415  1 ! SIDE EFFECTS:
;   103          0416  1 !       file deaccessed
;   104          0417  1 !       FCB may be deleted
;   105          0418  1 !       header may be modified
;   106          0419  1 !
;   107          0420  1 !--
;   108          0421  1
;   109          0422  2 BEGIN
;   110          0423  2
;   111          0424  2 LOCAL
;   112          0425  2         K,                                      ! local copy of truncate lock count
;   113          0426  2         ABD             : REF BBLOCKVECTOR [,ABD$C_LENGTH],
;   114          0427  2                                                 ! buffer descriptors
;   115          0428  2         FIB             : REF BBLOCK,           ! FIB
;   116          0429  2         FCB             : REF BBLOCK,           ! pointer to FCB
;   117          0430  2         HEADER          : REF BBLOCK,           ! file header
;   118          0431  2         IDENT_AREA      : REF BBLOCK;           ! header ident area
;   119          0432  2
;   120          0433  2 EXTERNAL
;   121          0434  2         CLEANUP_FLAGS   : BITVECTOR,            ! cleanup action flags
;   122          0435  2         USER_STATUS     : VECTOR,               ! I/O status going back to user
;   123          0436  2         IO_PACKET       : REF BBLOCK,           ! I/O packet in process
;   124          0437  2         FILE_HEADER     : REF BBLOCK,           ! global pointer to current file header
;   125          0438  2         CURRENT_WINDOW  : REF BBLOCK,           ! window of file
;   126          0439  2         PRIMARY_FCB     : REF BBLOCK,           ! FCB of file
;   127          0440  2         CURRENT_VCB     : REF BBLOCK;           ! VCB of volume
;   128          0441  2
;   129          0442  2 EXTERNAL ROUTINE
```

```
;  130          0443  2          GET_FIB,                        ! get FIB of request
;  131          0444  2          READ_HEADER,                    ! read file header
;  132          0445  2          MARK_DIRTY,                     ! mark buffer for write-back
;  133          0446  2          GET_TIME,                       ! get date and time string
;  134          0447  2          WRITE_ATTRIB,                   ! write attributes routine
;  135          0448  2          TRUNCATE,                       ! truncate file
;  136          0449  2          UPDATE_FCB,                     ! update contents of FCB
;  137          0450  2          CHECKSUM;                       ! compute file header checksum
;  138          0451  2
;  139          0452  2
;  140          0453  2 ! Set the cleanup flags to cause the deaccess to occurr.
;  141          0454  2 ! Find the buffer descriptor and FIB.
;  142          0455  2 !
;  143          0456  2
;  144          0457  2 CLEANUP_FLAGS[CLF_ZCHANNEL] = 1;
;  145          0458  2 CLEANUP_FLAGS[CLF_DEACCESS] = 1;
;  146          0459  2 CLEANUP_FLAGS[CLF_DELWINDOW] = 1;
;  147          0460  2
;  148          0461  2                                         ! pointer to buffer descriptors
;  149          0462  2 ABD = .BBLOCK [.IO_PACKET[IRP$L_SVAPTE], AIB$L_DESCRIPT];
;  150          0463  2 FIB = GET_FIB (.ABD);
;  151          0464  2 FCB = .PRIMARY_FCB;
;  152          0465  2
;  153          0466  2 ! Make sure irrelevant parameters are not present.
;  154          0467  2 !
;  155          0468  2
;  156          0469  2 IF .FIB[FIB$V_EXTEND]
;  157          0470  2 THEN ERR_STATUS (SS$_BADPARAM);
;  158          0471  2
;  159          0472  2 ! If the file is accessed for write, or if the file is marked for delete
;  160          0473  2 ! and this is the last access, read the header.
;  161          0474  2 !
;  162          0475  2
;  163          0476  2 IF .CURRENT_WINDOW[WCB$V_WRITE]
;  164          0477  4 OR ((.FCB[FCB$V_MARKDEL] OR .CLEANUP_FLAGS[CLF_SPOOLFILE])
;  165          0478  3     AND .FCB[FCB$W_ACNT] EQL 1)
;  166          0479  2 THEN HEADER = READ_HEADER (0, .FCB);
;  167          0480  2
;  168          0481  2 ! If this the last deaccess from a file marked for delete, delete the file.
;  169          0482  2 ! If the file is a spool file, send it to the job controller.
;  170          0483  2 !
;  171          0484  2
;  172          0485  2 IF .FCB[FCB$W_ACNT] EQL 1
;  173          0486  2 THEN
;  174          0487  3     BEGIN
;  175          0488  3
;  176          0489  3     IF .FCB[FCB$V_MARKDEL]
;  177          0490  3     THEN CLEANUP_FLAGS[CLF_DELFILE] = 1;
;  178          0491  3
;  179          0492  3     IF .CLEANUP_FLAGS[CLF_SPOOLFILE]
;  180          0493  3     THEN CLEANUP_FLAGS[CLF_DOSPOOL] = 1;
;  181          0494  2     END;
;  182          0495  2
;  183          0496  2 ! Do deaccess processing for a write accessed file.
;  184          0497  2 !
;  185          0498  2
;  186          0499  2 IF .CURRENT_WINDOW[WCB$V_WRITE]
```

```
;  187          0500  2 THEN
;  188          0501  3     BEGIN
;  189          0502  3     MARK_DIRTY (.HEADER);
;  190          0503  3
;  191          0504  3
;  192          0505  3     ! Increment the revision count of the file. If a deaccess lock was
;  193          0506  3     ! requested on the file, set the lock bit. Then process the write
;  194          0507  3     ! attributes, if any. If attributes were written, then clear the
;  195          0508  3     ! lock bit.
;  196          0509  3     !
;  197          0510  3
;  198          0511  3     IF NOT .FIB[FIB$V_NORECORD]
;  199          0512  4     AND (.CURRENT_WINDOW[WCB$L_WRITES] NEQ 0
;  200          0513  4          OR .IO_PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
;  201          0514  4          OR .FIB[FIB$V_TRUNC])
;  202          0515  3     THEN
;  203          0516  4         BEGIN
;  204          0517  4         IDENT_AREA = .HEADER + .HEADER[FH1$B_IDOFFSET]*2;
;  205          0518  4         IDENT_AREA[FI1$W_REVISION] = .IDENT_AREA[FI1$W_REVISION] + 1;
;  206          0519  4         GET_TIME (IDENT_AREA[FI1$T_REVDATE]);
;  207          0520  3         END;
;  208          0521  3
;  209          0522  3     IF .CURRENT_WINDOW[WCB$V_DLOCK]
;  210          0523  3     THEN HEADER[FH1$V_LOCKED] = 1;
;  211          0524  3
;  212          0525  3     IF .IO_PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
;  213          0526  3     AND .USER_STATUS[0]
;  214          0527  3     THEN
;  215          0528  4         BEGIN
;  216          0529  4         WRITE_ATTRIB (.HEADER, .ABD, 0);
;  217          0530  4         HEADER[FH1$V_LOCKED] = 0;
;  218          0531  3         END;
;  219          0532  3
;  220          0533  3     ! If a truncate is requested, do it (if the file was write accessed). Note
;  221          0534  3     ! that we must manually clear the truncate cleanup flag, since deaccess
;  222          0535  3     ! always exits through error exit.
;  223          0536  3     !
;  224          0537  3
;  225          0538  3     IF .FIB[FIB$V_TRUNC]
;  226          0539  3     THEN
;  227          0540  4         BEGIN
;  228          0541  4         IF .CURRENT_VCB[VCB$V_NOALLOC]
;  229          0542  4         THEN ERR_EXIT (SS$_WRITLCK);
;  230          0543  4
;  231          0544  4         K = .FCB[FCB$W_TCNT];
;  232          0545  4         IF .CURRENT_WINDOW[WCB$V_NOTRUNC]
;  233          0546  4         THEN K = .K - 1;
;  234          0547  4         IF .K NEQ 0
;  235          0548  4         THEN ERR_EXIT (SS$_ACCONFLICT);
;  236          0549  4
;  237          0550  4         CHECKSUM (.HEADER);
;  238          0551  4         TRUNCATE (.FIB, .HEADER, DEALLOC_BLOCKS);
;  239          0552  4         CLEANUP_FLAGS[CLF_CLEANTRUNC] = 0;
;  240          0553  4         CLEANUP_FLAGS[CLF_FIXFCB] = 0;
;  241          0554  4         KERNEL_CALL (UPDATE_FCB, .FILE_HEADER);
;  242          0555  3         END;
;  243          0556  3
```

```
;  244          0557  3     CHECKSUM (.HEADER);                    ! checksum the file header
;  245          0558  2     END;
;  246          0559  2
;  247          0560  2 ! Return failure to let the error cleanup do the actual deaccessing.
;  248          0561  2 !
;  249          0562  2
;  250          0563  2 RETURN 0;
;  251          0564  2
;  252          0565  1 END;                                         ! end of routine DEACCESS


                                                        .TITLE  DEACCS
                                                        .IDENT  \V04-000\

                                                        .EXTRN  CLEANUP_FLAGS, USER_STATUS
                                                        .EXTRN  IO_PACKET, FILE_HEADER
                                                        .EXTRN  CURRENT_WINDOW, PRIMARY_FCB
                                                        .EXTRN  CURRENT_VCB, GET_FIB
                                                        .EXTRN  READ_HEADER, MARK_DIRTY
                                                        .EXTRN  GET_TIME, WRITE_ATTRIB
                                                        .EXTRN  TRUNCATE, UPDATE_FCB
                                                        .EXTRN  CHECKSUM, SYS$CMKRNL

                                                        .PSECT  $CODE$,NOWRT,2

                                    03FC 00000          .ENTRY  DEACCESS, Save R2,R3,R4,R5,R6,R7,R8,R9      ; 0386
                              59    0000G CF   9E 00002 MOVAB   USER_STATUS, R9                             ;
                              58    0000G CF   9E 00007 MOVAB   IO_PACKET, R8                               ;
                              57    0000G CF   9E 0000C MOVAB   CURRENT_WINDOW, R7                          ;
                              56    0000G CF   9E 00011 MOVAB   CLEANUP_FLAGS, R6                           ;
                        02    A6    0403   8F   A8 00016 BISW2   #1027, CLEANUP_FLAGS+2                    ; 0459
                              50          68   D0 0001C MOVL    IO_PACKET, R0                             ; 0462
                              55    2C    B0   D0 0001F MOVL    @44(R0), ABD                              ;
                                          55   DD 00023 PUSHL   ABD                                      ; 0463
                           0000G CF       01   FB 00025 CALLS   #1, GET_FIB                             ;
                              54          50   D0 0002A MOVL    R0, FIB                                   ;
                              52    0000G CF   D0 0002D MOVL    PRIMARY_FCB, FCB                          ; 0464
                                    16    A4   95 00032 TSTB    22(FIB)                                   ; 0469
                                          06   18 00035 BGEQ    1$                                        ;
                              03          69   E9 00037 BLBC    USER_STATUS, 1$                           ; 0470
                              69          14   B0 0003A MOVW    #20, USER_STATUS                          ;
                              50          67   D0 0003D 1$:    MOVL    CURRENT_WINDOW, R0                ; 0476
                     0F    0B    A0       01   E0 00040 BBS     #1, 11(R0), 3$                            ;
                     04    22    A2       01   E0 00045 BBS     #1, 34(FCB), 2$                           ; 0477
                                          66   95 0004A TSTB    CLEANUP_FLAGS                             ;
                                          12   18 0004C BGEQ    4$                                        ;
                              01    1A    A2   B1 0004E 2$:    CMPW    26(FCB), #1                       ; 0478
                                          0C   12 00052 BNEQ    4$                                        ;
                                          52   DD 00054 3$:    PUSHL   FCB                               ; 0479
                                          7E   D4 00056 CLRL    -(SP)                                     ;
                           0000G CF       02   FB 00058 CALLS   #2, READ_HEADER                         ;
                              53          50   D0 0005D MOVL    R0, HEADER                                ;
                              01    1A    A2   B1 00060 4$:    CMPW    26(FCB), #1                       ; 0485
                                          10   12 00064 BNEQ    6$                                        ;
                     04    22    A2       01   E1 00066 BBC     #1, 34(FCB), 5$                           ; 0489
                     02    A6             20   88 0006B BISB2   #32, CLEANUP_FLAGS+2                      ; 0490
                                          66   95 0006F 5$:    TSTB    CLEANUP_FLAGS                     ; 0492
```

```
                                03  18 00071          BGEQ    6$                                                          ;
                             66     04  88 00073          BISB2   #4, CLEANUP_FLAGS                                       ; 0493
                             50     67  D0 00076 6$:       MOVL    CURRENT_WINDOW, R0                                      ; 0499
                03       0B  A0     01  E0 00079          BBS     #1, 11(R0), 7$                                          ;
                              00B6  31  31 0007E          BRW     16$                                                     ;
                                    53  DD 00081 7$:       PUSHL   HEADER                                                  ; 0502
                         0000G CF     01  FB 00083          CALLS   #1, MARK_DIRTY                                          ;
                27             64     15  E0 00088          BBS     #21, (FIB), 9$                                          ; 0511
                             50     67  D0 0008C          MOVL    CURRENT_WINDOW, R0                                      ; 0512
                                28   A0  D5 0008F          TSTL    40(R0)                                                  ;
                                    0D  12 00092          BNEQ    8$                                                      ;
                             50     68  D0 00094          MOVL    IO_PACKET, R0                                           ; 0513
                             05 32  A0  B1 00097          CMPW    50(R0), #5                                              ;
                                    04  1A 0009B          BGTRU   8$                                                      ;
                             12 17  A4  E9 0009D          BLBC    23(FIB), 9$                                             ; 0514
                             50     63  9A 000A1 8$:       MOVZBL  (HEADER), R0                                            ; 0517
                             50   6340  3E 000A4          MOVAW   (HEADER)[R0], IDENT_AREA                                ;
                                0A   A0  B6 000A8          INCW    10(IDENT_AREA)                                          ; 0518
                                0C   A0  9F 000AB          PUSHAB  12(IDENT_AREA)                                          ; 0519
                         0000G CF     01  FB 000AE          CALLS   #1, GET_TIME                                            ;
                             50     67  D0 000B3 9$:       MOVL    CURRENT_WINDOW, R0                                      ; 0522
                05       14  A0     01  E1 000B6          BBC     #1, 20(R0), 10$                                         ;
                          0C A3 40   8F  88 000BB          BISB2   #64, 12(HEADER)                                         ; 0523
                             50     68  D0 000C0 10$:      MOVL    IO_PACKET, R0                                           ; 0525
                             05 32  A0  B1 000C3          CMPW    50(R0), #5                                              ;
                                    11  1B 000C7          BLEQU   11$                                                     ;
                             0E     69  E9 000C9          BLBC    USER_STATUS, 11$                                        ; 0526
                                    7E  D4 000CC          CLRL    -(SP)                                                   ; 0529
                                    28  BB 000CE          PUSHR   #^M<R3,R5>                                              ;
                         0000G CF     03  FB 000D0          CALLS   #3, WRITE_ATTRIB                                        ;
                          0C A3 40   8F  8A 000D5          BICB2   #64, 12(HEADER)                                         ; 0530
                             52 17  A4  E9 000DA 11$:      BLBC    23(FIB), 15$                                            ; 0538
                             50   0000G CF  D0 000DE          MOVL    CURRENT_VCB, R0                                         ; 0541
                05       0B  A0     04  E1 000E3          BBC     #4, 11(R0), 12$                                         ;
                                025C 8F  BF 000E8          CHMU    #604                                                    ; 0542
                                    04  000EC          RET                                                             ;
                             51   20  A2  3C 000ED 12$:      MOVZWL  32(FCB), K                                              ; 0544
                             50     67  D0 000F1          MOVL    CURRENT_WINDOW, R0                                      ; 0545
                02       15  A0     03  E1 000F4          BBC     #3, 21(R0), 13$                                         ;
                                    51  D7 000F9          DECL    K                                                       ; 0546
                                    51  D5 000FB 13$:      TSTL    K                                                       ; 0547
                                    05  13 000FD          BEQL    14$                                                     ;
                                0800 8F  BF 000FF          CHMU    #2048                                                   ; 0548
                                    04  00103          RET                                                             ;
                                    53  DD 00104 14$:      PUSHL   HEADER                                                  ; 0550
                         0000G CF     01  FB 00106          CALLS   #1, CHECKSUM                                            ;
                                    01  DD 0010B          PUSHL   #1                                                      ; 0551
                                    53  DD 0010D          PUSHL   HEADER                                                  ;
                                    54  DD 0010F          PUSHL   FIB                                                     ;
                         0000G CF     03  FB 00111          CALLS   #3, TRUNCATE                                            ;
                             66 00080002 8F  CA 00116          BICL2   #524290, CLEANUP_FLAGS                                  ; 0552
                                0000G CF  DD 0011D          PUSHL   FILE_HEADER                                             ; 0554
                                    01  DD 00121          PUSHL   #1                                                      ;
                                    5E  DD 00123          PUSHL   SP                                                      ;
                                0000G CF  9F 00125          PUSHAB  UPDATE_FCB                                              ;
                 00000000G      9F     04  FB 00129          CALLS   #4, @#SYS$CMKRNL                                        ;
                                    53  DD 00130 15$:      PUSHL   HEADER                                                  ; 0557
```

```
                        0000G  CF            01  FB 00132          CALLS   #1, CHECKSUM                                    ;
                                              50  D4 00137 16$:     CLRL    R0                                             ; 0563
                                                  04 00139          RET                                                    ; 0565

; Routine Size:  314 bytes,    Routine Base:  $CODE$ + 0000

;  253          0566  1
;  254          0567  1 END
;  255          0568  0 ELUDOM




;                                  PSECT SUMMARY
;
;       Name                     Bytes                          Attributes
;
;  $CODE$                          314  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)



;                                Library Statistics
;                                          -------- Symbols --------      Pages       Processing
;       File                               Total    Loaded   Percent      Mapped      Time
;
;  _$255$DUA28:[SYSLIB]LIB.L32;1           18619        24         0        1000        00:01.8



;                                       COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:DEACCS/OBJ=OBJ$:DEACCS MSRC$:DEACCS/UPDATE=(ENH$:DEACCS)

; Size:          314 code + 0 data bytes
; Run Time:          00:09.8
; Elapsed Time:      00:27.3
; Lines/CPU Min:      3495
; Lexemes/CPU-Min: 14978
; Memory Used:  144 pages
; Compilation Complete
```

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

CHKSUM
LIS

ACPCNTRL
LIS

CHKPRO
LIS

FCPDEF
B32

DEACCS
LIS

BADSCN
LIS

CLENUP
LIS

CPYNAM
LIS

CHKHDR
LIS

COMMON
LIS

CREHDR
LIS

CREWIN
LIS

ACCESS
LIS

CHKDMO
LIS

DELETE
LIS

CREATE
LIS

CREFCB
LIS